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Entry and consideration of this Amendment are respectfully requested.

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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The specification is changed as follows:

Page 1, first paragraph, please amend as follows:

The present invention relates to a method of detection of a predefined signaling signal sent via an analog telecommunications line [as set forth in the preamble of claim 1], to a computer product comprising computer program code means, to a telecommunications device [as set forth in the preamble of claim 7], and to a predefined signaling signal detector to be connected to an input coupled to an analog telecommunications line.

Page 4, paragraph beginning at line 6, please amend as follows:

This object is attained, according to the invention, by a method of detection of predefined signaling signal [as claimed in claim 1 and], a computer product, a telecommunications device and a predefined signaling signal detector [as claimed in claim 6, 7 and 15 respectively], all as described below.

IN THE CLAIMS:

The claims are amended as follows:

7. (Amended) [Telecommunications] A telecommunications device comprising an input [(2)] coupled to an analog telephone line for receiving analog telecommunications signals, and a predefined signaling signal detector [(1)] connected to said input to detect a predefined signaling signal sent via said analog telecommunications line [c h a r a c t e r i z e d i n t h a t] wherein said predefined signaling signal detector (1) contains:

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[means (5) to apply] a Fourier transform circuit applying a Fourier transform FT over said analog telecommunications signals on successive time intervals while at least one of said time interval overlaps at least partially over the next one, said [means (5)] Fourier transform circuit averaging said FT over several time intervals, obtaining an averaged spectral function, and

[means (8, 9, 12) to analyze] an analyzing circuit analyzing said averaged spectral function for the detection of the possible presence of the said predefined signaling signal.

8. (Amended) [Telecommunications] A telecommunications device according to claim 7, characterized in that said [means (5)] Fourier transform circuit while applying the said FT uses a function of specific form defining a window for the considered values of the amplitude of said analog telecommunications signals.

9. (Amended) [Telecommunications] A telecommunications device according to claim 8, characterized in that said window has a rectangular shape.

10. (Amended) [Telecommunications] A telecommunications device according to claim 8, characterized in that said window is a Blackman window.

11. (Amended) [Telecommunications] A telecommunications device according to claim 7, characterized in that [at least one of] said [means (8, 9, 12) which analyze said averaged spectral function,] analyzing circuit applies a comparison procedure between the amplitude of said averaged spectral function at the frequency range where said predefined signaling signal shall be expected and a typical value for the noise won out of said averaged spectral function.

12. (Amended) [Telecommunications] A telecommunications device according to claim 7, characterized in that at least part of the [means (5, 8, 9, 12) for the analyzing of said analog telecommunications signals to detect the possible presence of said predefined signaling signal are comprised into] Fourier transform and analyzing circuits comprise a processor of the said predefined signaling signal detector (1).

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13. (Amended) [Telecommunications] A telecommunications device according to claim 12, characterized in that it contains a computer readable medium having a program recorded thereon, said computer readable medium comprising computer program code [means] adapted to perform at least parts of the steps of claim 1 when said program is run on said processor.

14. (Amended) [Telecommunications] A telecommunications device according to claim 7, characterized in that said predefined signaling signal detector (1) is a calling alerting signal CAS detector.

15. (Amended) [Predefined] A predefined signaling signal detector (1) to be connected to an input (2) coupled to an analog telecommunications line for receiving analog telecommunications signals, to detect a predefined signaling signal sent via said analog telecommunications line, [while] said predefined signaling signal detector [(1) is composed of means] comprises a telecommunications device as set forth in claim 7.